

ONKYO®

PCS-207

CA-207

KT-207

PS-207

PCS-201

CA-201

KT-201

PS-207

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COMPACT
disc
DIGITAL AUDIO

• **Congratulation on your purchase of the ONKYO PCS-201/207 Audio System.** • Please read this manual thoroughly before making connections and turning power on. • Following the instructions in this manual will enable you to obtain optimum performance and listening enjoyment from your new PCS-201/207. • Please retain this manual for future reference.

Features

Main points

■ Single Drawer, 7-Disc CD Changer (CA-207)

The fully programmable, single-drawer, 7-disc changer offers the convenience of hours of uninterrupted CD player.

■ LCD Display with 7-Band Spectrum Analyzer

The bright display is easy to see, even from across the room. And the seven-band spectrum analyzer clearly shows the cut or boost of each individual frequency.

■ Nine Equalizer Presets (5 factory-set & 4 user-programmable)

Five factory-set EQ curves (Jazz, Pops, Rock, Classics, Disco) and four programmable curves let you shape the sound to suit their music and listening room.

■ 20-Track Random Memory

You can program up to twenty tracks from a discs to play back in the sequence of thier choice, or at random. (For CA-201, 20-tracks can be programmed from the disc during play.)

■ Dual Auto-Reverse Cassette Deck

The full-logic, dual cassette deck offers auto-reverse playback in both wells, Dolby B noise reduction, high-speed dubbing, and auto-reverse recording in deck B.

Other Features

Amplifier/CD Player/Graphic Equalizer CA-207/CA-201

- Four preset soundfields (Hall, Disco, Theater, Live)
- Digital jog control for volume and EQ
- Super Bass
- 8-Times oversampling
- 20-Track random memory
- Direct track access (remote)
- Intro scan (first 10 seconds of each track, one-by-one or at random)
- Random play
- Four-mode repeat (single track, all discs(CA-207), all tracks(CA-201), shuffle, intro)
- Dimensions: 240(W) × 165(H) × 385(D) mm (9-7/16" × 6-1/2" × 15-1/8") (CA-207)
240(W) × 165(H) × 270(D) mm (9-7/16" × 6-1/2" × 10-5/8") (CA-201)

Tuner/Cassette Deck KT-207/KT-201

- 10 AM/10 FM Preset
- Automatic tuning
- Dolby B noise reduction
- Full-logic controls
- Dimensions: 240(W) × 165(H) × 285.5(D) mm (KT-201)
(9-7/16" × 6-1/2" × 11-1/4")
240(W) × 165(H) × 400.5(D) mm (KT-207)
(9-7/16" × 6-1/2" × 15-3/4")

Speaker System PS-207

- Three-way, bass reflex
- Dimensions: 165(W) × 330(H) × 247(D) mm (6-1/2" × 13" × 9-3/4")

General

- 43-Key full function remote control

Note

Excessive interference may temporarily render this system's sensitive microcomputer inoperable. If this happens, unplug the system for five seconds.

Accessories

Remote control	1
AM loop antenna	1
FM line antenna	1
Dry batteries (UM3)	2
Audio connection cable	1

Flat cord (System A)	1
Flat cord (System B)	1
Speaker cable	2
Sub-woofer connection cable	1

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WARNING

"TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE."

CAUTION

"TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONEL."



CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN



- The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.
- The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

FOR U.S.A and CANADIAN MODEL

For models having a power cord with a polarized plug

CAUTION: TO PREVENT ELECTRIC SHOCK, MATCH WIDE BLADE OF PLUG TO WIDE SLOT, FULLY INSERT.

FOR EUROPEAN MODEL

This apparatus complies with requirements of EC directive 87/308/EEC.

Important safeguards

1. **Read Instructions** — All the safety and operating instructions should be read before the appliance is operated.
2. **Retain Instructions** — The safety and operating instructions should be retained for future reference.
3. **Heed Warnings** — All warnings on the appliance and in the operating instructions should be adhered to.
4. **Follow Instructions** — All operating and use instructions should be followed.
5. **Water and Moisture** — The appliance should not be used near water — for example, near a bathtub, washbowl, kitchen sink, laundry tub, in a wet basement, or near a swimming pool, and the like.
6. **Carts and Stands** — The appliance should be used only with a cart or stand that is recommended by the manufacturer.

- 6A. An appliance and cart combination should be moved with care. Quick stops, excessive force, and uneven surface may cause the appliance and cart combination to overturn.

PORTABLE CART WARNING



S3125A

7. **Wall or Ceiling Mounting** — The appliance should be mounted to a wall or ceiling only as recommended by the manufacturer.
8. **Ventilation** — The appliance should be situated so that its location or position does not interfere with its proper ventilation. For example, the appliance should not be situated on a bed, sofa, rug, or similar surface that may block the ventilation openings; or, placed in a built-in installation, such as a bookcase or cabinet that may impede the flow of air through the ventilation openings.
9. **Heat** — The appliance should be situated away from heat sources such as radiators, heat registers, stoves, or other appliances (including amplifiers) that product heat.
10. **Power Sources** — The appliance should be connected to a power supply only of the type described in the operating instructions or as marked on the appliance.
11. **Polarization** — The polarization of the plug is a safety feature. The polarized plug will only fit the outlet one way. If the plug does not fit fully into the outlet, try reversing it. If there is still trouble, the user should seek the services of a qualified electrician. Under no circumstances should the user attempt to defeat the polarization of the plug.
12. **Power-Cord Protection** — Power-supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to the cords at plugs, convenience receptacles, and the point where they exit from the appliance.
13. **Cleaning** — The appliance should be cleaned only as recommended by the manufacturer.
14. **Power Lines** — An outdoor antenna should be located away from power line.
15. **Nonuse Periods** — The power cord of the appliance should be unplugged from the outlet when left unused for a long period of time.

16. **Object and Liquid Entry** — Care should be taken so that objects do not fall and liquids are not spilled into the enclosure through openings.

16. **Heavy object on the unit** — Heavy objects should not be put on the appliance to prevent distortion and damage.

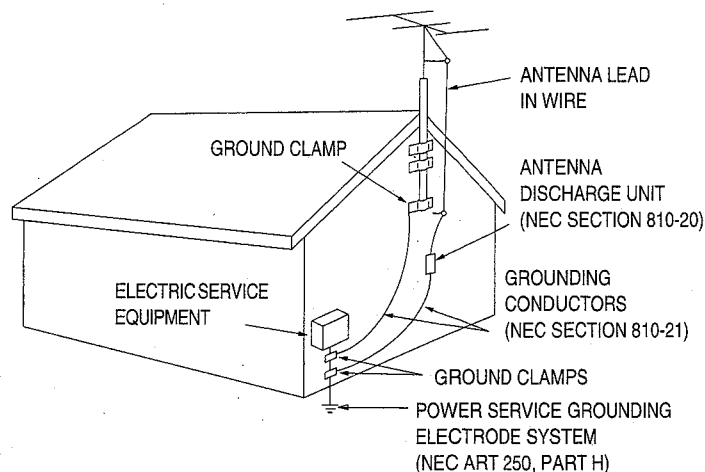
17. **Damage Requiring Service** — The appliance should be serviced by qualified service personnel when:

- A. The power-supply cord or the plug has been damaged; or
- B. Objects have fallen or liquid has been spilled into the appliance; or
- C. The appliance has been exposed to rain; or
- D. The appliance does not appear to operate normally or exhibits a marked change in performance; or
- E. The appliance has been dropped or the enclosure damaged.

18. **Servicing** — The user should not attempt to service the appliance beyond that described in the operating instructions. All other servicing should be referred to qualified service personnel.

19. **Outdoor Antenna Grounding** — If an outside antenna is connected to the receiver, be sure the antenna system is grounded so as to provide some protection against voltage surges and built up static charges. Article 810 of the National Electrical Code, ANSI/NFPA 70, provides information with regards to proper grounding of the mast and supporting structure, grounding of the lead-in wire to antenna discharge unit, size of grounding conductors, location of the antenna-discharge unit, connection to grounding electrodes, and requirements for the grounding electrode. See Figure 73.1.

FIGURE 73.1:
EXAMPLE OF ANTENNA GROUNDING AS PER NATIONAL ELECTRICAL CODE



NEC — NATIONAL ELECTRICAL CODE

S2898A

Important safeguards-CD player

SPECIAL CAUTIONS FOR COMPACT DISC PLAYER

This Compact Disc Player contains a semiconductor laser system and is classified as a "CLASS 1 LASER PRODUCT". So, to use this model properly, read this Instruction Manual carefully. In case of any trouble, please contact the store where you purchased the unit. To prevent being exposed to the laser beam, do not try to open the enclosure.

DANGER:

INVISIBLE LASER RADIATION WHEN OPEN AND INTERLOCK FAILED OR DEFEATED. AVOID DIRECT EXPOSURE TO BEAM.

CAUTION:

THIS PRODUCT UTILIZES A LASER. USE OF CONTROLS OR ADJUSTMENTS OR PERFORMANCE OF PROCEDURES OTHER THAN THOSE SPECIFIED HEREIN MAY RESULT IN HAZARDOUS RADIATION EXPOSURE.

• FOR U.S.A. MODEL:

1. This laser is covered by a housing which prevents exposure during operation or maintenance. However, this product is classified as a Laser Product by CDRH (Center for Devices and Radiological Health) which is a department of the Food and Drug Administration. According to their regulations 21 CFR section 1002.30, all manufactures who sell Laser Products must maintain records of written communications between the manufacturer, dealers and customers concerning radiation safety. If you have any complaints about instructions or explanations affecting the use of this product, please feel free to write to the address on the back page of this manual. When you write us, please include the model number and serial number of your Compact Disc Player.
2. In compliance with Federal Regulations, the certification, identification and the period of manufacture are indicated on the rear panel.

3. FCC INFORMATION FOR USER

CAUTION:

The user that changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE:

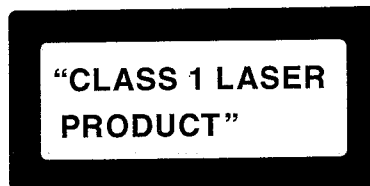
This equipment has been tested and found to comply with the limits for a Class B digital device pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and if not installed and used in accordance with the instructions may cause harmful interference to radio communications. However there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception which can be determined by turning the equipment off and on the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

• FOR CANADIAN MODEL

THIS DIGITAL APPARATUS DOES NOT EXCEED THE CLASS B LIMITS FOR RADIO NOISE EMISSION FROM DIGITAL APPARATUS SET OUT IN THE RADIO INTERFERENCE REGULATIONS OF THE CANADIAN DEPARTMENT OF COMMUNICATIONS.

• FOR EUROPEAN MODEL (include U.K.)



This label on the rear panel states that:

1. This unit is a CLASS 1 LASER PRODUCT and employs a laser inside the cabinet.
2. To prevent the laser from being exposed, do not remove the cover. Refer servicing to qualified personnel.

Precautions

1. Warranty Card

The serial number is written on the rear panel of the unit. Copy the serial number and model number onto your warranty card and keep it in a safe place.

2. Recording Copyright

Recording of copyrighted material for other than personal use is illegal without permission of the copyright holder.

3. AC Fuse

The fuse is located inside the chassis and is not user serviceable. If power does not come on, contact your ONKYO service center.

4. Care

From time to time you should wipe off the front and rear panels and the cabinet with a soft cloth. For heavier dirt, dampen a soft cloth in a weak solution of mild detergent and water, or a mild ammonia cleaner, wring it out dry, and wipe away the dirt. Following this, dry immediately with a clean cloth. Do not use rough material, thinners, alcohol or other chemical solvents or cloths since these may damage the finish or remove the panel lettering.

5. Location

Do not use or leave in direct sunlight or in other places subject to high temperature and humidity. The unit should also not be left in potentially hot places such as near heating appliances. Excessive heat and moisture can lead to internal damage and serious malfunctions (this also applies to cassette tapes). The recommended ambient temperature range is 5°C to 35°C.

6. Power

WARNING

BEFORE PLUGGING IN THE UNIT FOR THE FIRST TIME, READ THE FOLLOWING SECTION CAREFULLY.

- Some models are designed for use only with the power supply voltage of the region where they are sold.

U.K. and Australian models:	AC 240V, 50Hz
European models:	AC 230V, 50Hz
U.S.A. and Canadian models:	AC 120V, 60Hz
Worldwide models:	AC 120 and 220V switchable, 50/60Hz

Voltage Selector (Rear Panel)

Worldwide models are equipped with a voltage selector to conform with the local power supplies. Be sure to set this switch to match the voltage of the power supply in your area before plugging in the unit. The voltage is changed by inserting a screw driver into the groove of the switch, and moving the switch from the upper or lower. Confirm that the switch has been moved all the way to the upper or lower before plugging in the unit. Models without a voltage selector can only be used in areas where the power supply is the same as that of the unit.

120V ~
220V ~



at AC120V

120V ~
220V ~



at AC220V

7. Precautions regarding the tuner (Worldwide model)

Setting the Tuning Step Frequency

- Press the POWER button and then press the TUNER button on the Tuner/cassette deck unit.
- Press and hold the BAND button for more than 2 seconds.
- When the BAND button is pressed, the radio band will be changed as in normal operation. Then after 2 seconds, it will go into the AM step selection mode with the current step information shown on the dot matrix (either AM 9kHz or AM 10kHz).
- Within 5 seconds, press the BAND button to select the other frequency step.
The new step information will be shown on the LCD dot matrix.
- The step selection mode will be automatically canceled when the frequency step is not changed within 5 seconds. The LCD dot matrix will return to the original display mode.
U.S.A. and Canadian 10kHz
Other area 9kHz
- When the frequency step is changed (10kHz ↔ 9kHz), the following items are changed automatically.
 - Time display format 24-hour ↔ 12-hour(with AM/PM)

Note to CATV system installer (for U.S.A. model)

This reminder is provided to call the CATV system installer's attention to Article 820-40 of the NEC, which provides guidelines for proper grounding and, in particular, specifies that the cable ground shall be connected to the grounding system of the building, as close to the point of cable entry as practical.

Memory Preservation

This unit does not require memory preservation batteries. A built-in memory power back-up system preserves the contents of the memory during power failures and even when the unit is unplugged. The unit must be plugged in and the power switch turned on and off once in order to change the back-up system. Note that since this is not a permanent memory, the power switch turned on and off a few times each month to keep the back-up system operative. The memory preservation period after power has been turned off varies depending on climate and placement of the unit. On the average, memory contents are protected over a period of a few weeks after the last time power has been turned off. This period is shorter when the unit is exposed to a highly humid climate.

8. Precautions regarding the CD player

- If the player is brought from a cold environment to a warm one or is in a cold room that is quickly heated, condensation may form on the pickup, preventing proper operation. In this case, remove the disc and leave the power ON for about one hour to remove the condensation.
- Always close the disc tray when not loading or unloading discs to protect delicate internal parts from dust.
- When transporting the player, be careful not to bump it.

9. Precautions regarding the cassette deck

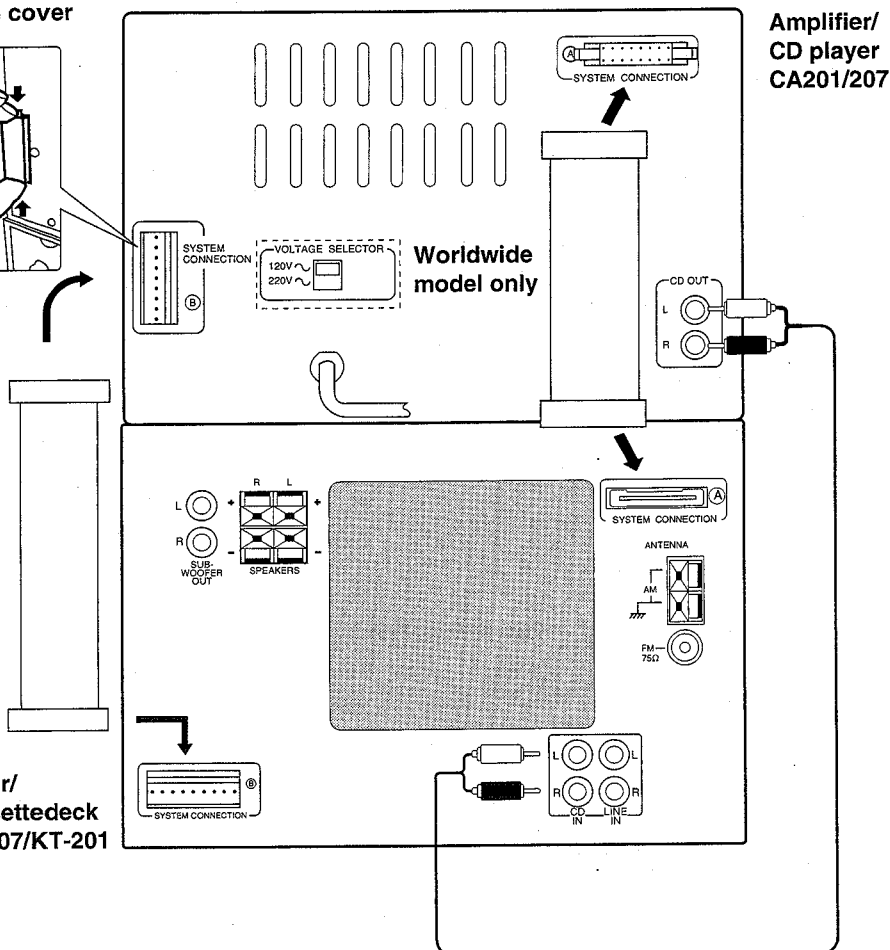
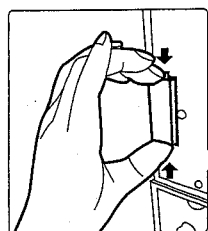
- Be extremely careful with the recording and playback heads. Clean and demagnetize them regularly, but under no circumstances should magnets or other metals be used anywhere near the heads.
- This unit extremely sensitive to magnetic fields, so do not use near large speakers, TV set or other devices which generate magnetic fields.
- Hum may even be induced by magnetic flux leakage from the power transformer in certain amplifiers. Therefore, this unit should also be kept clear of the amplifier.

Connections

■ Component connection

- Do not plug in the power cord until all connections have been made.
- Connect parts with the same letter on them (A with A, B with B).
- Please insert all the connecting cables and plugs fully to the end.
- Remove the cover to protect the system connection connector before connecting (see below).

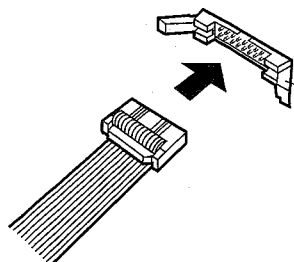
Removing the cover



■ Connecting the flat cord

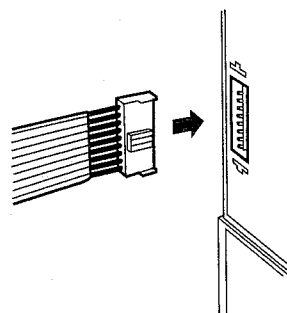
System connection A

Push the flat cord straight into the connector on condition the side levers are opened until the plug is locked with closing levers.



When you disconnect the cord, press the levers outside.

System connection B

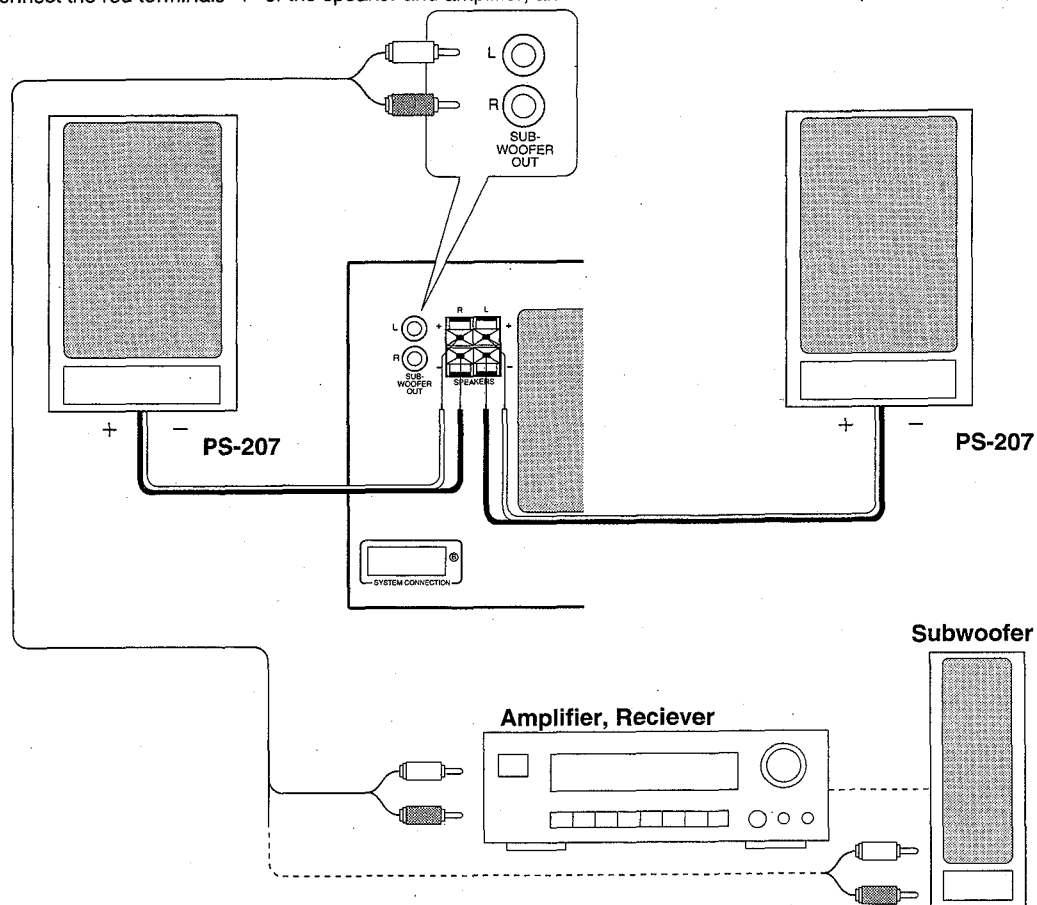


Note:

To disconnect the cord, pull it out by grasping the plug. Never pull the cord itself.

■ Connecting speaker

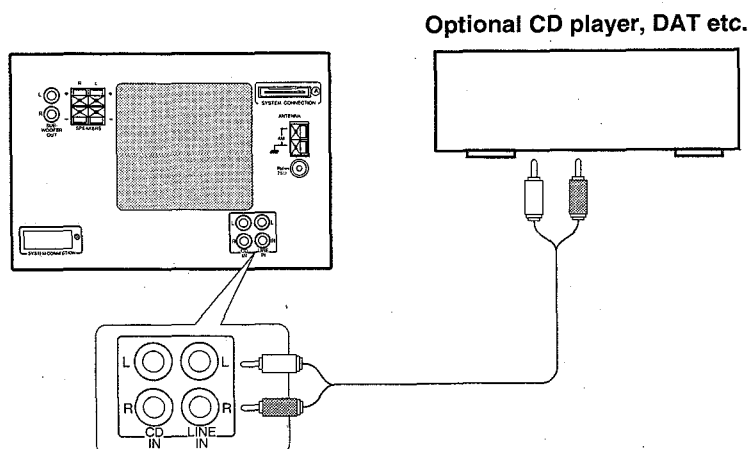
- **SPEAKER IMPEDANCE: 8 OHMS MIN/SPEAKERS**
Please do not short the speaker cables or do not connect a speaker with a low impedance which will cause trouble.
- Connect the red terminals "+" of the speaker and amplifier, and the black terminals "-" of the speaker and amplifier.



The SUB-WOOFER OUT jack can be connected to sub woofer amplifier, or to a subwoofer with a built-in amplifier.

■ LINE OUT jack connection

This unit is equipment with LINE inputs for connection to a wide range of audio components such as DAT, an additional compact disc player, an additional tuner, a television set, a VCR, and other similar components.

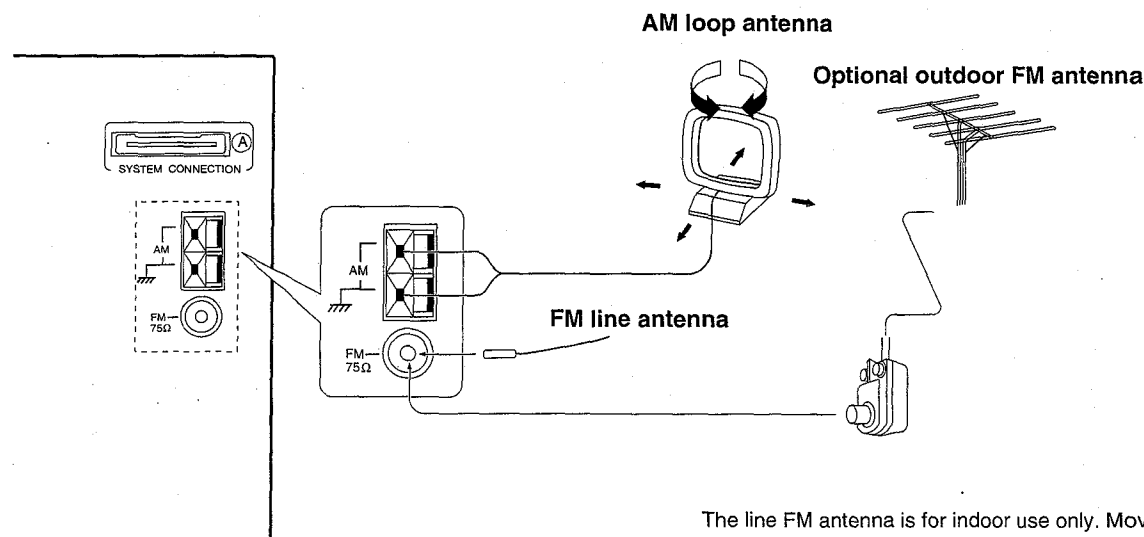


■ Connecting the antenna

The AM loop antenna is for indoor use only.

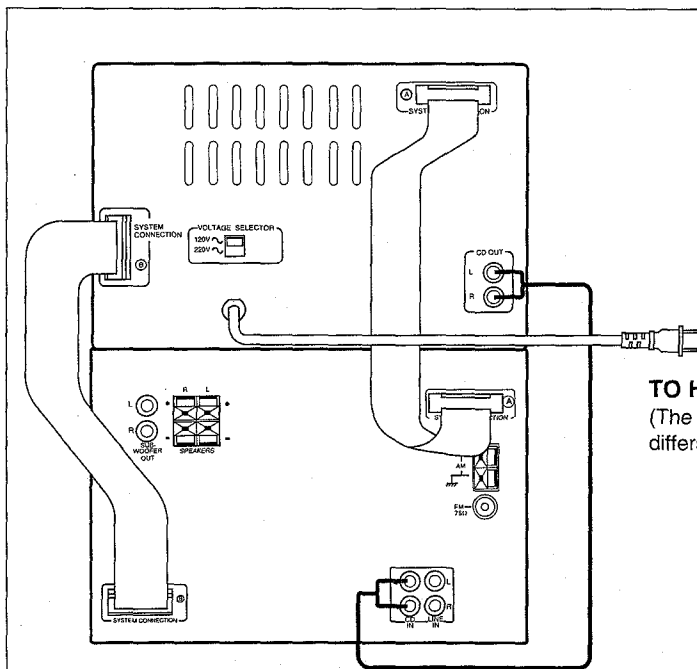
Set it to the direction where you can receive the clearest sound.

Put it as far as possible away from the main unit, TV set, speaker cords and power cord.



The line FM antenna is for indoor use only. Move the antenna in various directions until the clearest signal is received. Fix it with push pins in the position with the least amount of distortion.

■ AC power supply



After you have connected the FM antenna and speakers as described above, you may connect the system to a household outlet. Unwind the power cord completely and extend it to its full length before you connect to the AC outlet.

Note:

U.S.A. and Canadian models have a polarized plug with one blade wider than the other. This is a safety feature. If you cannot insert the plug in your outlet, you may have an outdated outlet.

In this case, contact your electrician to replace your obsolete outlet.

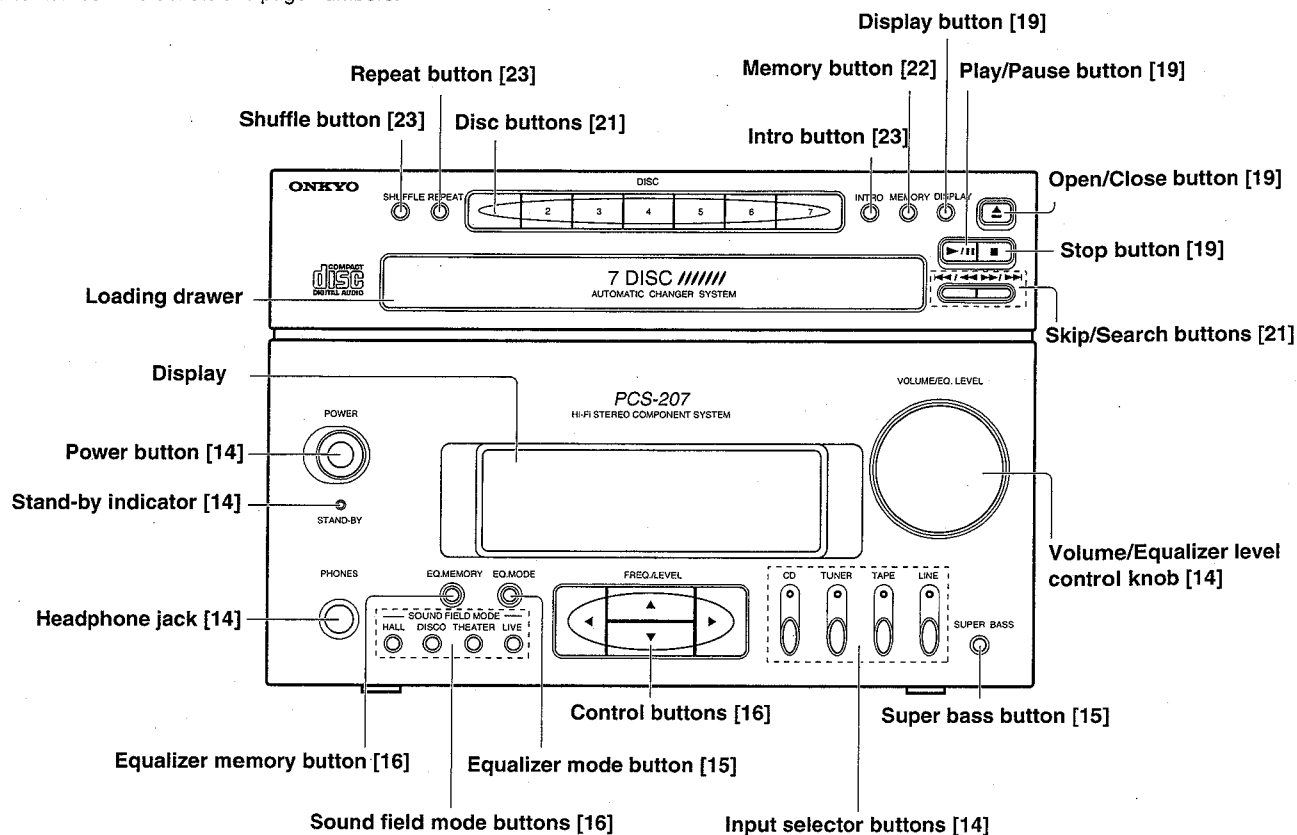
TO HOUSEHOLD OUTLET

(The figure of the power cord differs belong to area.)

Front panel controls

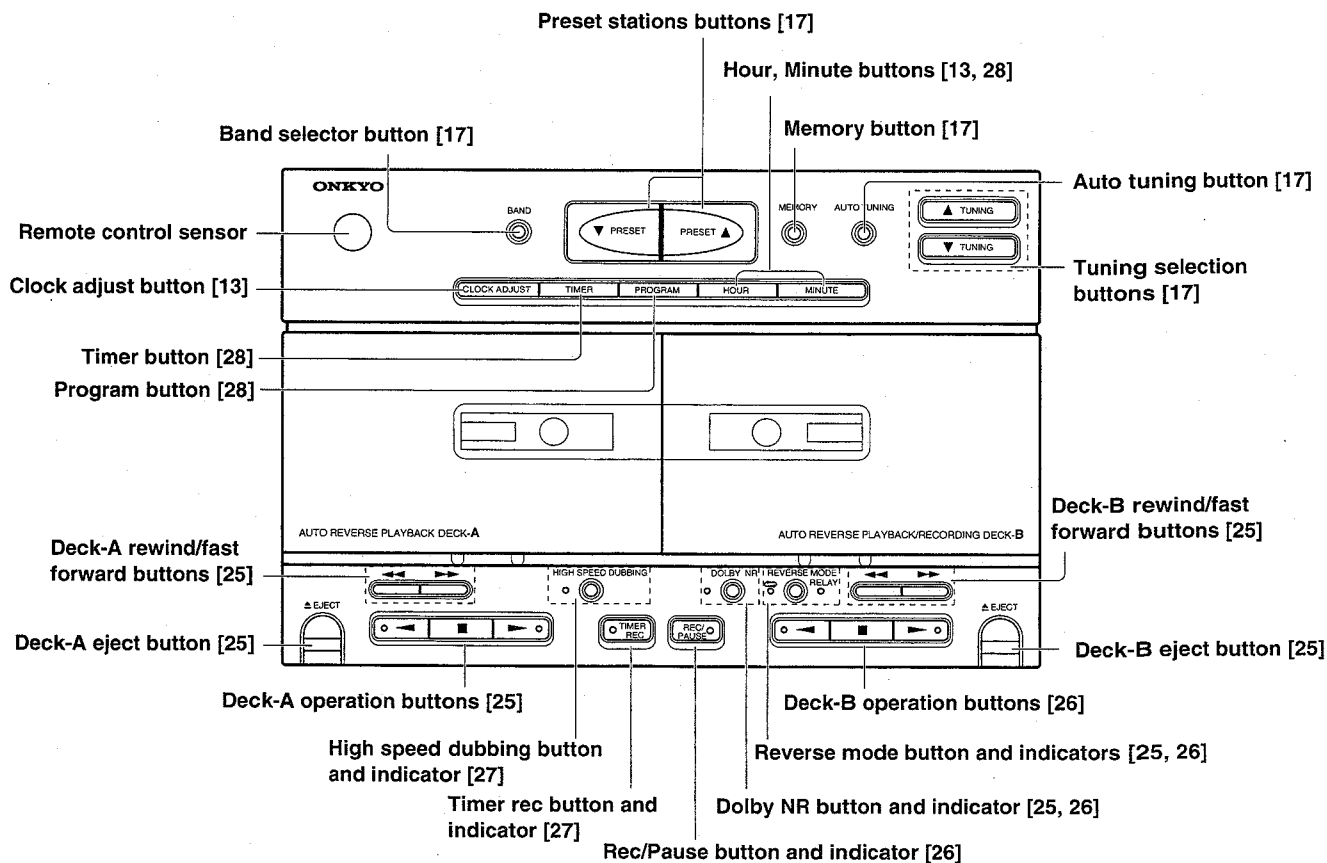
CD changer/Amplifier unit CA-207

The number in brackets are page numbers.



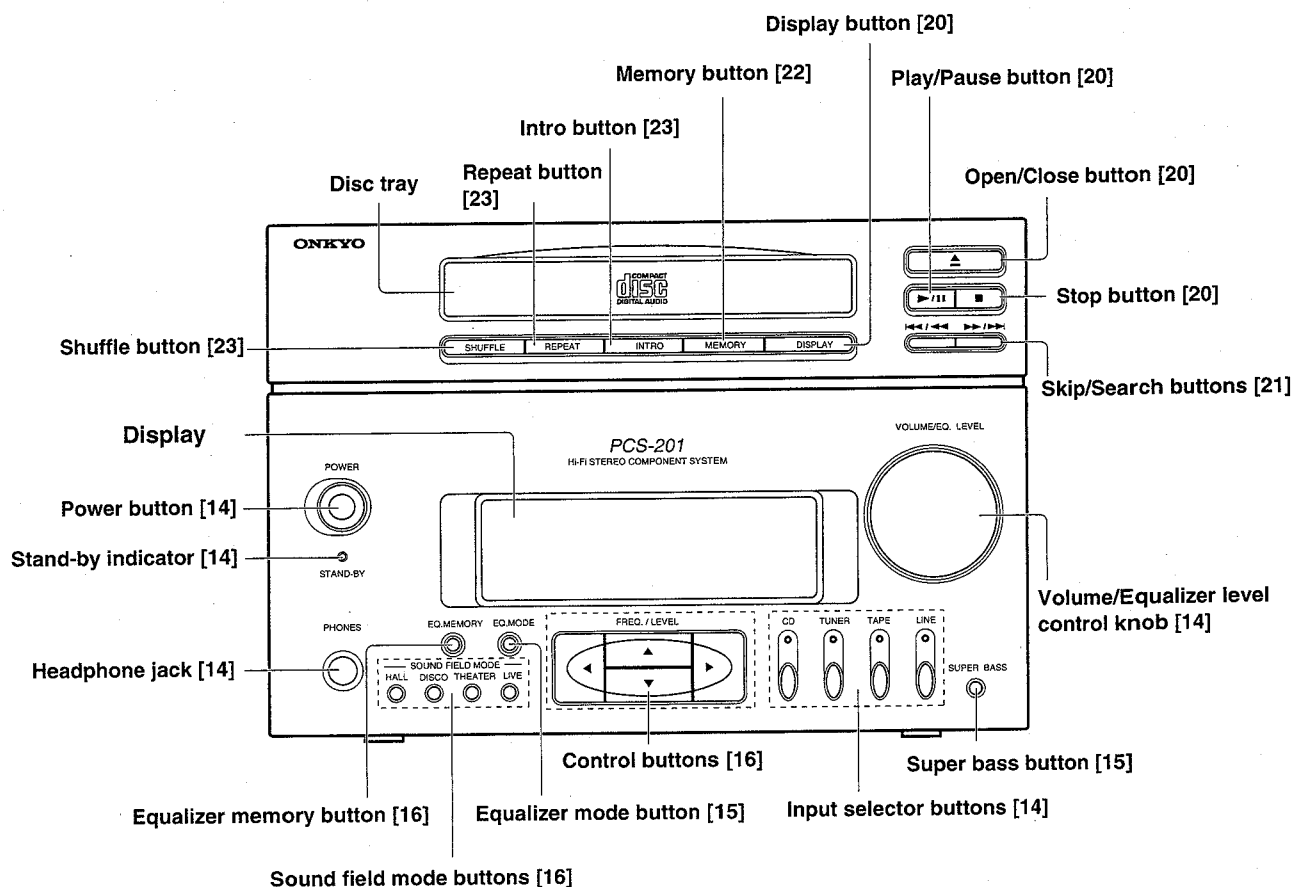
Tuner/Cassette deck unit KT-207/KT-201

The number in brackets are page numbers.



CD player/Amplifier unit CA-201

The number in brackets are page numbers.

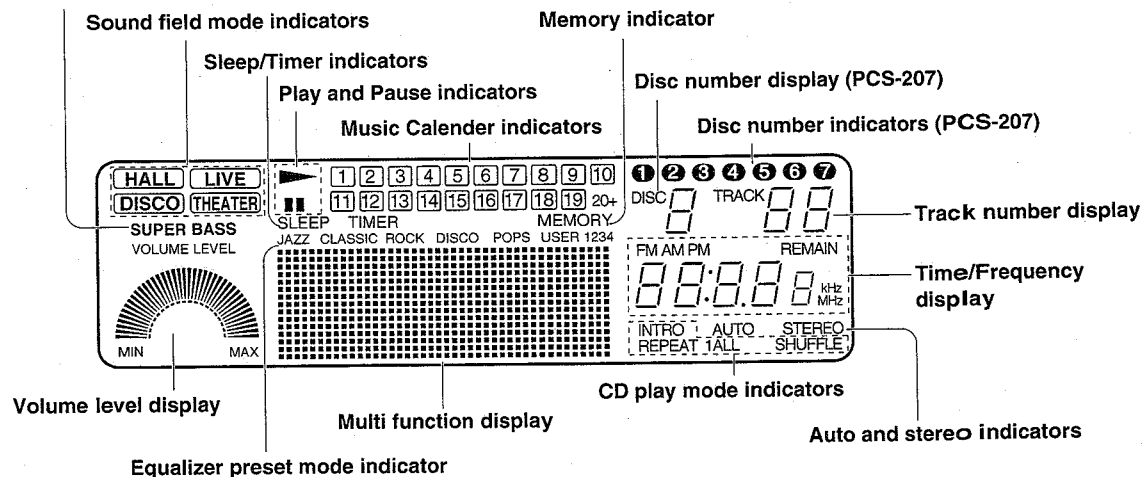


Display

Note

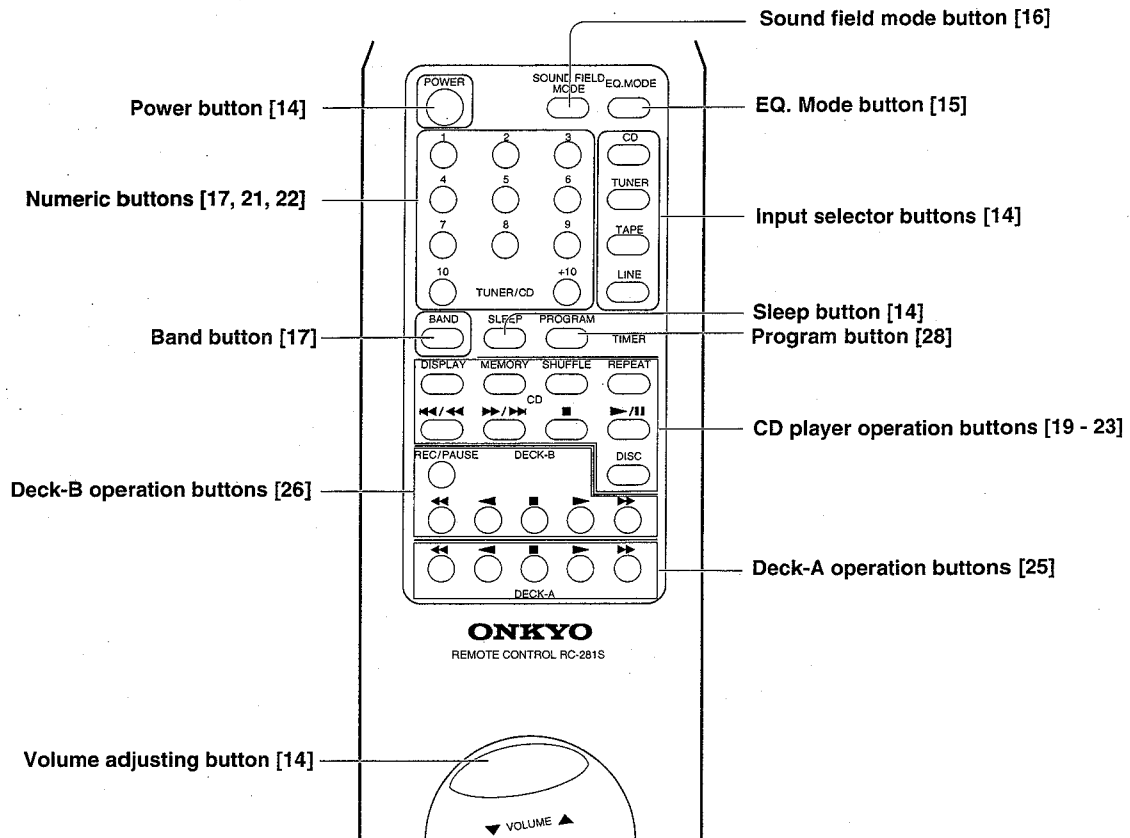
If there is a protective film on the surface of the display, which is making it difficult to read the display, remove it.

Super bass indicator



Operating the remote control

The number in brackets are page numbers.



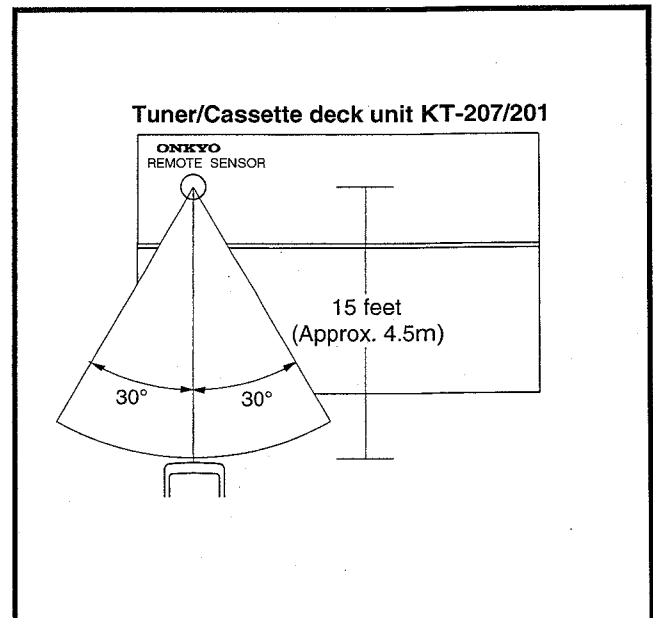
■ Inserting the batteries



Note:

- If the remote control works only when it is close to the unit, replace the batteries.
- Place the "+" and "-" ends correctly.
- Do not use new dry battery and used one together or mix different kinds of batteries.
- Remove dry batteries if the unit is not to be used for a long time.

■ Using the remote control

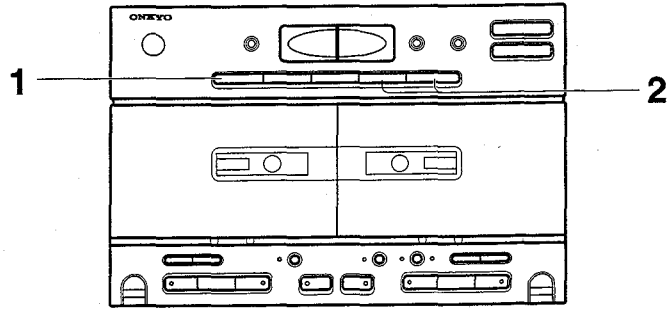


Note:

- Place this system away from direct bright light, which can prevent proper operation of the remote control.
- Make sure audio rack doors do not have colored glass. Placing the system behind such a door may prevent proper remote control operation.
- Using other remote controls in the same room as this system's remote control may cause interference.

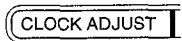
Setting the clock

The time display flashes when you plug the power cord into an AC outlet or when the power interruption occurs. The time will flash until you set the clock.

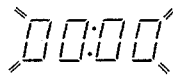


Set the clock during the stand-by mode.

1. Press the CLOCK ADJUST button.

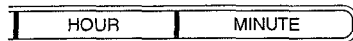


ADJUST



2. Set the time.

Pressing the HOUR button increases the hour and pressing the MINUTE button increases the minute. Holding down the respective button increases the hour or the minute faster.



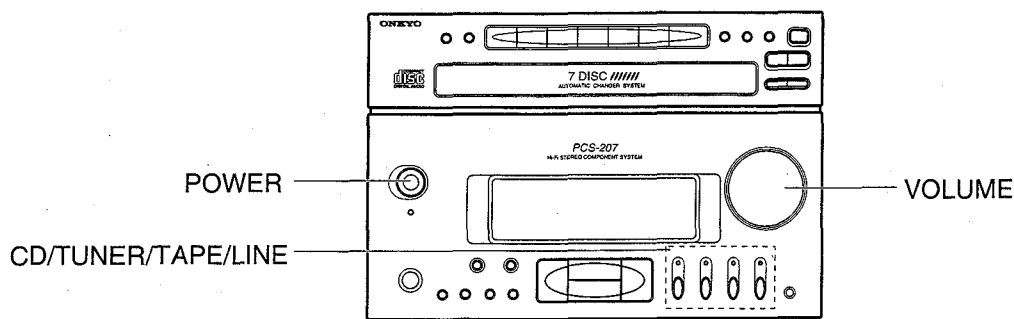
Even if the minute display changes from "59" to "00", the hour display does not increase automatically.

After 10 seconds, the clock will start automatically.

Note:

To find out the clock while a unit of equipment is playing, press the PROGRAM button. After 5 seconds, the display returns to the original display.

Operating the amplifier



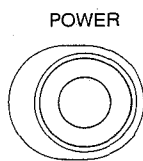
Switching power on

1. Plug the AC power cord into a wall outlet.



2. Press the **POWER** button.

The STAND-BY indicator goes out and display illuminates.

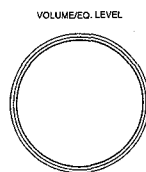


Remote control



Adjusting the volume

Turn the **VOLUME** control clockwise to increase.



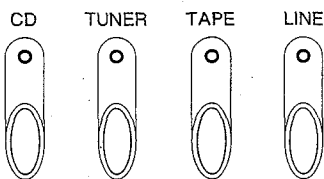
Remote control



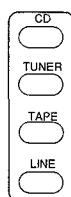
Selecting the input source

Press the desired input selector button.

To operate other equipment connected with the LINE input jacks on the rear panel, press the LINE button.



Remote control



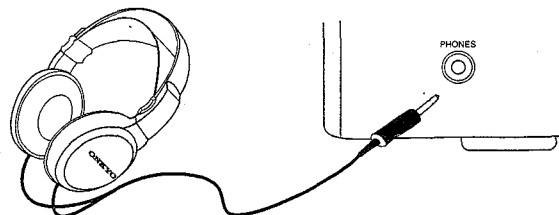
Last memory function

The input selection, volume condition and equalizer mode are stored into memory when the power is turned off. Then, you can operate this unit as the same condition even if the power is turned on and off.

Listening using the headphones

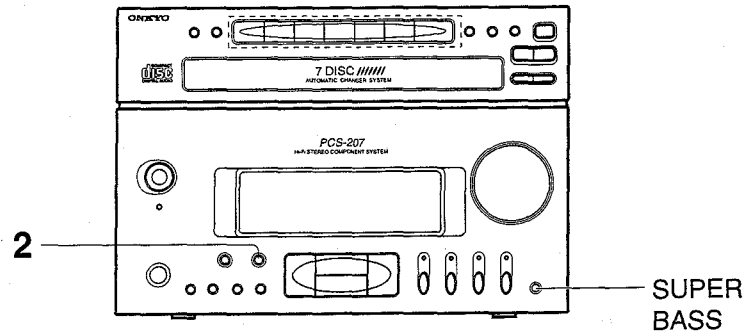
Stereo headphones with a mini plug can be connected here.

- When the headphone plug is inserted no sound will be produced from the speakers.



Operating the graphic equalizer

The 7 band graphic equalizer contains five preset equalizer settings. In addition, you can store your own settings.

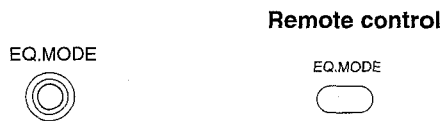


■ Using the equalizer effect

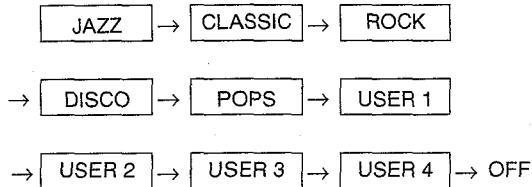
1. Play a music source.

2. Select an equalizer pattern.

Press the EQ. MODE button repeatedly until the desired mode displayed.



The EQ. MODE cycles through the following modes.



To cancel the equalizer effect, select the OFF mode.

■ Equalizer patterns

JAZZ

This equalizer pattern simulates the acoustics of a small room with a tightly packed audience.



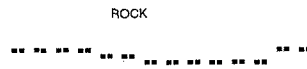
CLASSIC

This equalizer pattern simulates the acoustics of an orchestral concert hall.



ROCK

This equalizer pattern simulates the acoustics of a large concert hall filled with a frenzied audience.



DISCO

This equalizer pattern simulates the acoustics of a typical disco with hard, solid walls and floor.



POPS

This equalizer pattern is ideal for typical pop music. Up-tempo pop music can be clearly performed.

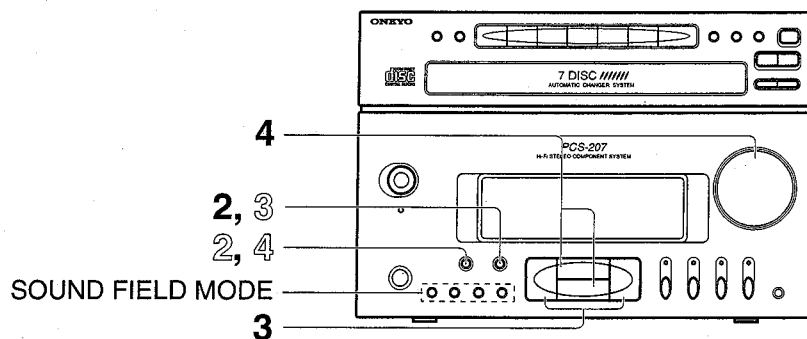


■ Adjust the super bass

Press the SUPER BASS button.



To cancel SUPER BASS activation, press the SUPER BASS button again.



■ Changing an equalizer patterns

1. Play a music source and select an equalizer pattern.

2. Select the desired equalizer pattern.

EQ.MODE

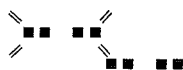
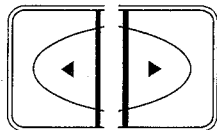


Remote control

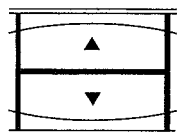
EQ.MODE



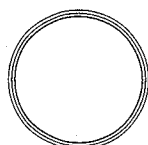
3. Select the frequency band to be adjusted.
The selected frequency band flashes.



4. Adjust its level.



VOLUME/EQ. LEVEL



To adjust each frequency band, repeat the procedure 3 and 4 described above.

Once adjusted, the equalizer setting will not change, even when you turn the power off, until you adjust them again.

■ Memorizing the equalizer patterns

1. Change an equalizer pattern as described "Changing an equalizer patterns".

2. Press the EQ.MEMORY button.
USER 1 display flashes.

EQ.MEMORY



USER 1

3. Select the user number.
Press the EQ.MODE button repeatedly until the desired user number (1 to 4) flashes.

EQ.MODE



USER 2

4. Press the EQ.MEMORY button again.

EQ.MEMORY



■ Using the sound field effect

Press the desired sound field mode button (HALL, DISCO, THEATER, LIVE).

Remote control

HALL DISCO THEATER LIVE



SOUND FIELD MODE



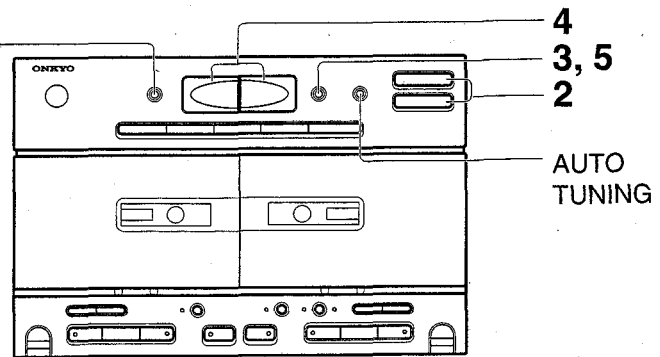
- "LIVE" is the passive position. To play normally, select this.

Listening to the radio

■ Programing radio stations

- Up to 10 FM stations and 10 AM stations can be stored in the memory (P1 - P10).
- Pressing the PRESET button or TUNING button switches the input source to the "TUNER" automatically even if the other source is selected.

For example, to enter an FM station broadcast at 98.00 MHz in the Station No.3 of the Preset Memory:

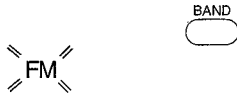


1. Select the FM/AM band.

Press the BAND button until the FM display lights.



Remote control



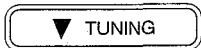
2. Select the frequency (98.00 MHz).

Pressing the ▲ button increases the frequency and pressing the ▼ button decreases the frequency. Holding down the respective button, and the frequency will automatically begin to increase (or decrease).



FM

98.0 MHz



Press the AUTO TUNING button, the auto tuning system will work and the frequency display automatically stops when a station is turned into.

AUTO TUNING



Set the AM loop antenna or FM line antenna to the direction where you can receive the clearest sound.

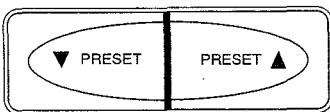
3. Press the MEMORY button.

MEMORY



4. Select the station number preset (3).

Pressing the ▲ button increases the station number and pressing the ▼ button decreases the station number.



P3

Press the desired number button on the remote control.



5. Press the MEMORY button.

MEMORY



If the frequency has already been stored in the Station 3, it will be replaced by 98.00 MHz.

P3
↓
FM
98.0 MHz

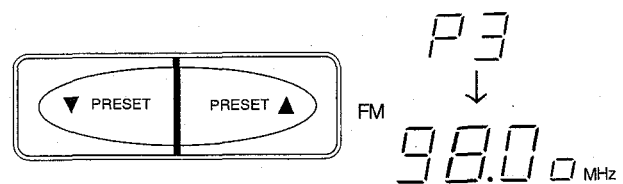
AM stations can be stored in the memory using the same procedure.

Notes:

- If the MEMORY button is not pressed within 5 seconds, memory activation will be canceled
- Pressing the AUTO TUNING button after tuning changes the tuning mode from STEREO to MONO. In this case, "AUTO" and "STEREO" indicators will not display. When you tune in a weak-signal FM stereo station, select the MONO mode.

■ Selecting preset station

Select the station number preset.



Press the desired number button on the remote control.



Compact disc

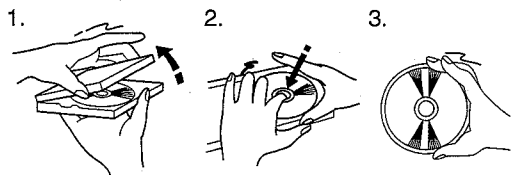
Note:

If the playing surface of the compact disc is dirty, scratched, or warped, it could noise or malfunctions.

■ Handling CDs

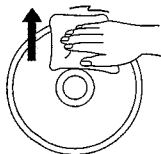
Handling CDs

How to take a disc from the case



1. Holding the lower part of the case firmly with your right hand and open it holding both side of the lid with your left hand.
2. Hold down the center holder of the case with the tip of your left hand index finger and take it out holding the edges of the disc with your right hand.
3. Try to hold it as far as possible to the edge so that you don't leave your finger prints on the disc.

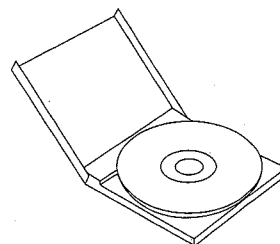
Cleaning Discs



- To clean finger prints or dust, wipe the disc lightly from the center to the outside edge with a soft cotton cloth.
- Please do not clean it with alcohol (especially methyl alcohol - for industrial use), water, traditional record cleaner or electrostatic preventative.
- Please do not write down anything on the label (printed surface).

Precautions When Storing Discs

- Please do not store disc in places of high temperature and/or high humidity. Exposing them to the direct sunlight for a long time will cause adverse effect such as deformation. Make sure that they are always stored in a case.



Precautions Concerning Volume

- Compact discs have far less noise than analog records, and also offer a much broader range of dynamic levels. Adjusting the volume while listening to noise on the disc could result in an unexpectedly high volume level.

Other Precautions

- The CD player should be set up on a level surface where it is protected against vibration.
- Always close the disc tray after playing a disc.

■ Condensation

This is the same phenomena that causes windows to become misted up with water drops in a heated room during the winter. The CD player also sometimes gets dews (water drops) on the optical lens inside the player under the following conditions.

- Immediately after you turn a heater on.
- If the CD player is placed in a room with full of steam or dampness.
- If you suddenly bring the CD player in from the cold outside into a warm room.

If the CD player is exposed to dew condensation

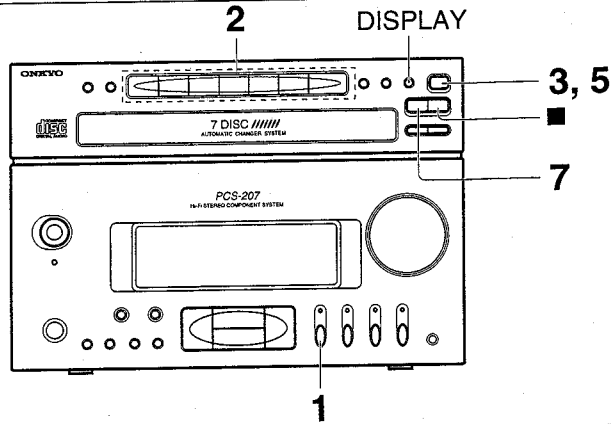
You can leave it as it is, sometimes the player cannot read the signal sent from the compact disc by laser and the player doesn't work.

Depending on the surrounding conditions you can remove the disc and leave the power on for at the longest one hour, the dew will evaporate and the player will work properly. If it doesn't work after several hours, please consult the nearest ONKYO authorized service center.

Playing CDs

For PCS-207

- If a disc has been inserted, pressing the ►/|| or SHUFFLE button switches the amplifier to CD and begins play of the disc.
- This CD player is designed for 12 cm normal disc.



1. Press the CD button on the Amplifier/CD changer unit.

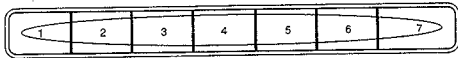


Remote control

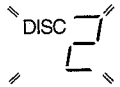


2. Select the disc.

Press the desired DISC 1 - 7 buttons.



Remote control



3. Open the loading drawer.

Press the ▲ button.



Note

When the loading drawer is opened, another trays can be opened by pressing the desired DISC 1 - 7 buttons.

4. Place a disc printed side up in the center on the tray softly.

5. Close the loading drawer.

Press the ▲ button.
The loading drawer is closed.



Push the disc tray in directly.

The disc tray is closed, and play starts automatically from the first track when the input selection is "CD".

6. Repeat steps 2 - 5 to insert additional discs.

7. Start playing.

Press the ►/|| button.

Remote control



Notes:

- The disc number which is not inserted a disc cannot be selected even if you press the DISC button during play.
- If more than 21 tracks are in the disc, all track numbers (1 - 20) and "20+" are displayed.

Pausing playback

Press the ►/|| button.

The "||" display lights.

- To resume playing, press the ►/|| button. The playing starts up again from exactly where it left off.
- The time display flashes.

Stopping playback

Press the ■ button.

Changing the display

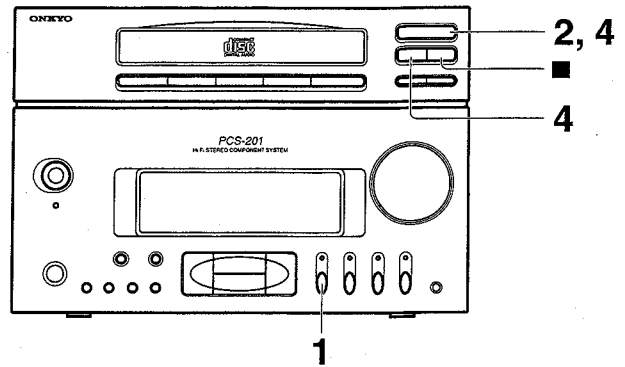
Press the DISPLAY button during play.

- **Track remaining time**
Shows how much time is left for the track currently playing.
- **Total remaining time**
Shows how much playing time is left for the entire disc. ("A" (All) is displayed behind the time display.)
- **Elapsed time display**
Shows how long the current track has been playing.

Note:

If the "E" (Error) is displayed on the display, some trouble occurs. In this case, turn the power off and turn it on again.

For PCS-201



- 1. Press the CD button on the Amplifier/CD unit.**

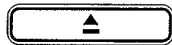


Remote control



- 2. Open the disc tray.**

Press the button.



- 3. Place a disc printed side up in the center on the tray softly.**

- 4. Close the disc tray.**

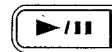
Press the button.

- 4. Start playing.**

Press the button.

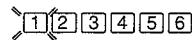
The disc tray is closed automatically and play starts from the first track.

Remote control



Push the disc tray in directly.

The disc tray is closed, and play starts automatically from the first track when the input selection is "CD".



TRACK

0:05

After all tracks have been played, the CD player stops.

Note:

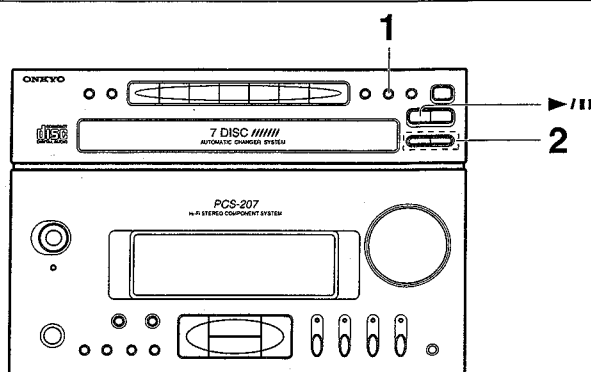
If more than 21 tracks are in the disc, all track numbers (1 - 20) and "20+" are displayed.

■ Using the memory function

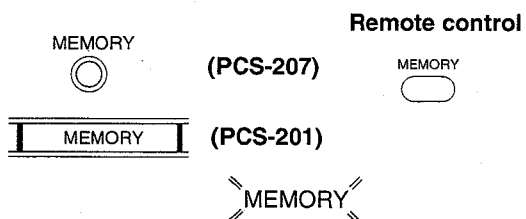
Up to 30 tracks can be stored in the memory.

For PCS-207

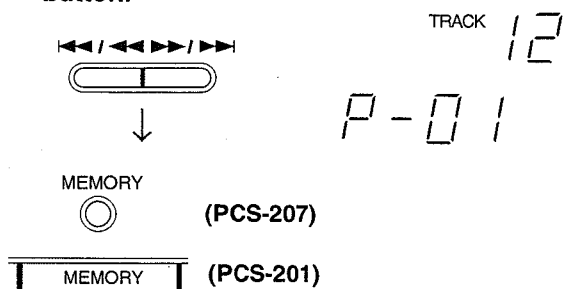
The memory play can be performed in the current disc only.



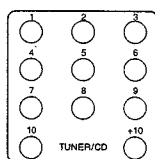
1. Press the MEMORY button in the stop mode.



2. Select the track number you wish to memory using the <<< / << and >>> / >> buttons and press the MEMORY button.

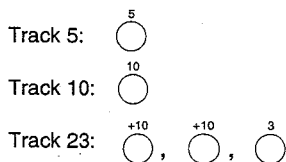


- Selecting the track number can be performed directly with the Number buttons on the remote control.



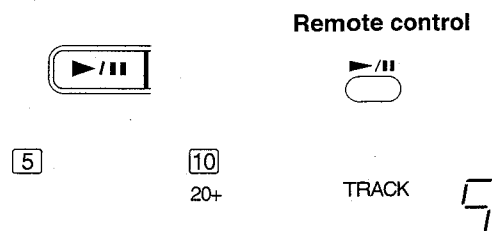
Example:

To program track numbers 5, 10 and 23.



■ Starting playback

Press the ►/|| button.



Stopping memory play

Press the ■ button.

Cancelling the memory contents

- Press the ▲ button or turn the power off.
- Press the DISC button. (PCS-207 only)

Notes:

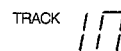
- If the total time is more than 99 minutes 59 seconds, "—: —" is displayed.
- If more than 31 tracks are selected, "—: —" is displayed and further tracks cannot be stored into memory.

■ Checking and changing the memory contents

1. Press the ■ button in the memory mode.

2. To check the memory contents

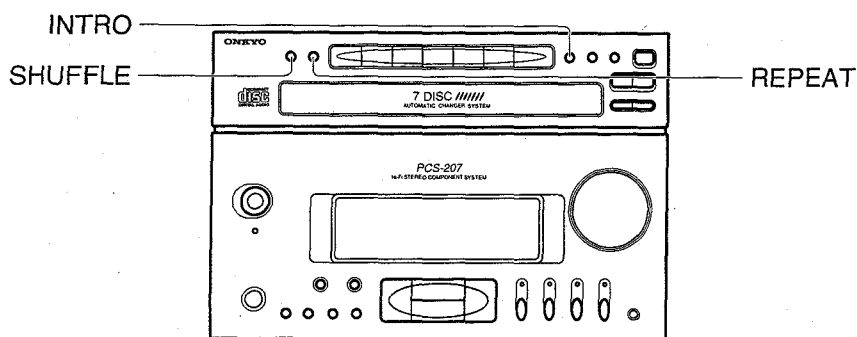
Press the <<< / << or >>> / >> button. (The track No. is displayed.)



3. To change the memory contents.

- Press the MEMORY button.
 - Select the desired track number by pressing the <<< / << or >>> / >> button.
 - Press the MEMORY button.
- The track number is changed on the memory sequence.

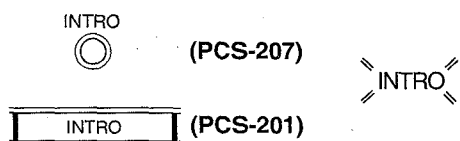




■ Intro play

The first 10 seconds of each track will be played one by one.

Press the INTRO button.



When the normal play: all tracks are played.
When the memory play: all programmed track are played.
When the shuffle play: all tracks are played in random order.

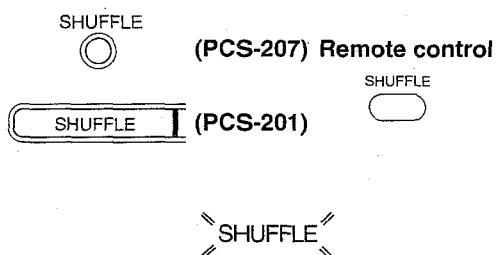
■ Cancelling intro play

Press the INTRO button again.

■ Shuffle play

All tracks are played in random order.
For PCS-207, all tracks of the selected disc played in random order, and then all tracks are played of the other disc in random order.

Press the SHUFFLE button.



■ Cancelling shuffle play

Press the SHUFFLE button again.

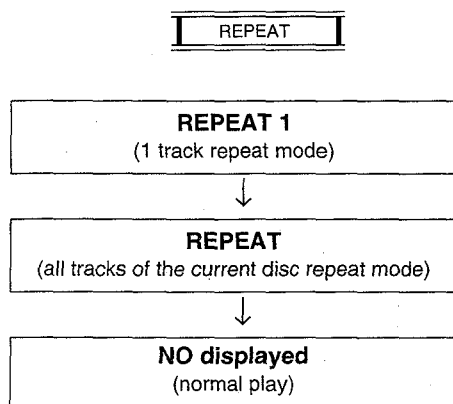
■ Memory shuffle play

1. Memory the desired tracks.
2. Press the SHUFFLE button once (or press the SHUFFLE button repeatedly until the SHUFFLE indicator lights).
3. Press the ►/II button.

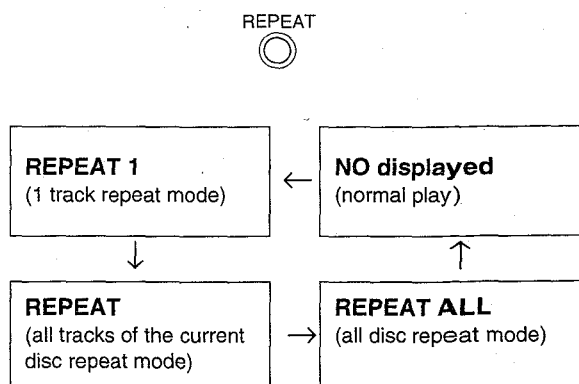
■ Repeat play

All repeat mode and 1 track repeat mode can be selected by pressing the REPEAT button.

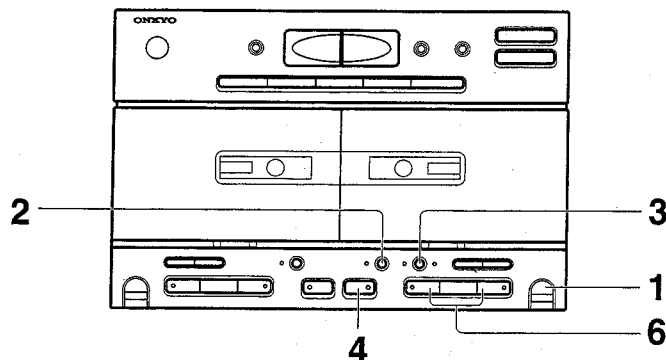
For PCS-201
Press the REPEAT button repeatedly to cycle through the followed repeat mode.



For PCS-207
Press the REPEAT button repeatedly to cycle through the followed repeat mode.

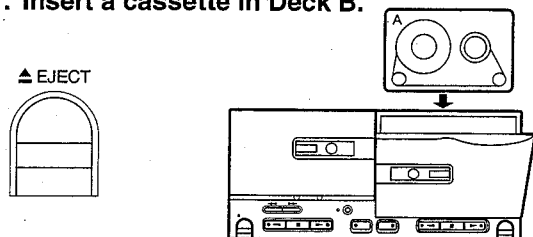


Recording (Deck B only)



1. Insert a cassette in Deck B.

▲ EJECT



2. Press the DOLBY NR button if necessary.

3. Select the reverse mode.

Press the REVERSE MODE button repeatedly until the desired lamp lights.



No indicator: Only one side of the tape is recorded.
 (RELAY): Only one side of the tape is recorded.
 () repeat: Both sides of the tape are recorded. However, you cannot record onto the clear tape leader.

4. Press the REC/PAUSE button.

Remote control



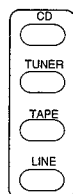
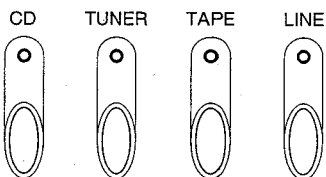
REC/PAUSE



REC/PAUSE lamp lights.

5. Select the source to be recorded.

Remote control

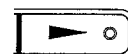


To perform normal dubbing

Press the TAPE button and insert the cassette for playback in Deck B.

- For high speed dubbing, refer to page 27.

6. Press the ◀ or ▶ button.



Remote control



7. Play the music source.

The recording level will adjusted to the optimum level automatically.

You cannot record with equalizer effect.

Pausing recording

Press the REC/PAUSE button.

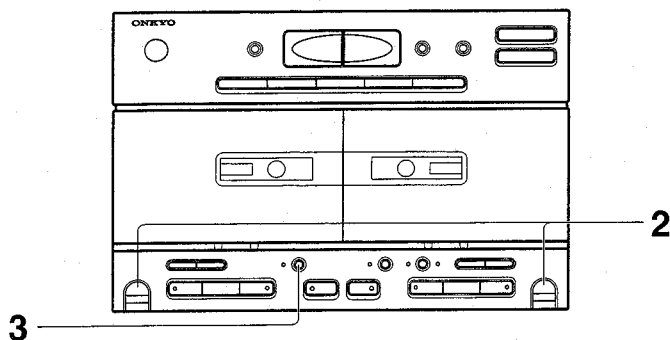
To continue recording, press the REC/PAUSE button or press either the ◀ or ▶ button whose direction lamp is lit up.

Stopping recording

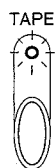
Press the Deck B ■ button.

High speed dubbing

The high speed dubbing can be performed one side only.



1. Press the TAPE button on the Amplifier/CD unit.



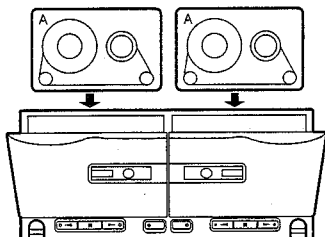
Remote control



2. Insert cassettes in Deck A and Deck B.

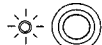
It is recommended that the tapes for recording and playback should be the same length.

For playback For recording



3. Press the HIGH SPEED DUBBING button.

HIGH SPEED DUBBING



After dubbing, the tapes on both deck A and B will stop automatically at the end of side A.

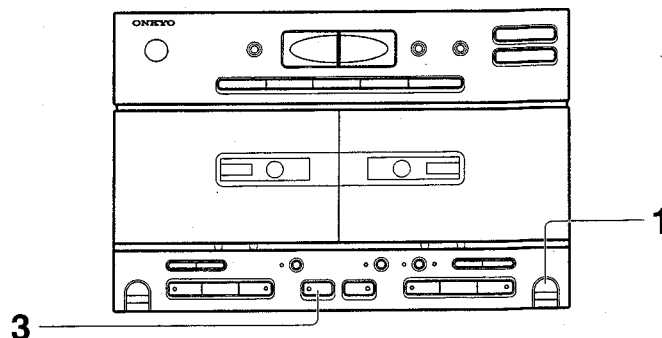
To stop the dubbing

- Press the Deck A or B button.
- Press the TUNER or LINE button on the Amplifier/CD unit.

Note:

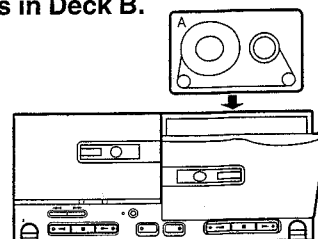
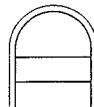
Whether the Dolby NR indicator lights, dubbing is done with the same Dolby NR of the original tape.

Timer recording



1. Insert cassettes in Deck B.

▲ EJECT



2. Set the timer.

(See page 28.)

Note:

Be sure to confirm the input selection is "TUNER" for recording source. Timer recording cannot be activated in the other input mode.

3. Press the TIMER REC button.



- Timer recording can be set when the timer on time is set and the input selection is "TUNER".
- To cancel timer recording, press the TIMER REC button again.

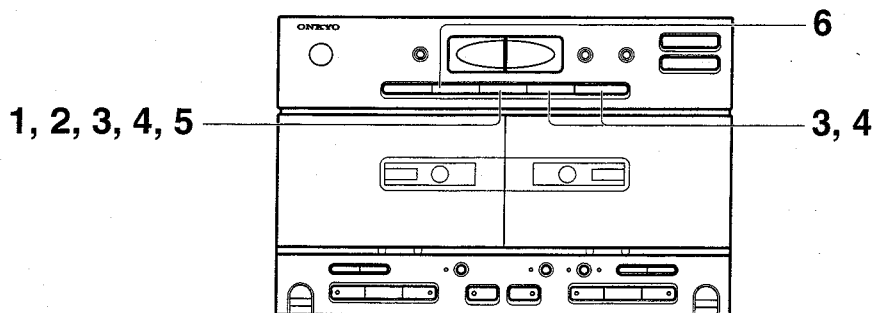
4. When the set on time comes, timer recording will begin.

When the set off time comes, timer recording stops automatically.

Notes:

- The station which is last selected is tuned when the set on time comes.
- Timer recording starts always in the forward direction. In the case that the tab for facing side is removed, timer recording stops even if timer on time comes.

Timer play and Sleep facility



1. Press the PROGRAM button.

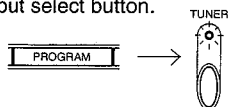
The current time is displayed.



PM
10:00

2. Select the source to be played.

Press the PROGRAM button and then press the desired input select button.

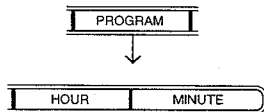


TUNER

For timer recording, be sure to press the TUNER button. Timer recording cannot be activated in the other input mode.

3. Set the on time.

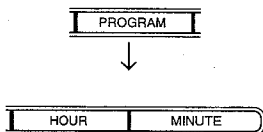
Press the PROGRAM button and then press the HOUR and MINUTE button.



ON
TIME AM
8:00

4. Set the off time.

Press the PROGRAM button and then press the HOUR and MINUTE button.



OFF
TIME AM
9:00

5. Press the PROGRAM button to resume the display.



6. Press the TIMER button.



- When the set time comes in the stand-by mode, timer play will be performed between the setting on and off time.
- When the input selection is "TUNER", the station which is last selected is tuned when the set on time comes.

Notes:

- Timer play cannot be performed in the following case.
 - The clock is not set.
 - The timer on and off times are not set.
- Press the TIMER button to cancel the timer play.

■ Sleep facility (Remote control only)

1. Play what you would like to listen to.

(CD, tape or radio broadcast)

2. Press the SLEEP button continuously to set the desired sleep time (120 to 30 by 30 minutes).



SLEEP
120 → 90 → 60 → 30 → OFF
SLEEP

When the set time comes, the power will be switched off automatically.

Confirming the sleep time

Press the SLEEP button during sleep operation.

Canceling the sleep setting

- Press the SLEEP button repeatedly to OFF ("OFF-SLEEP" is displayed).
- Press the POWER button to put the system into stand-by mode.

Note:

Be sure to press the each operation buttons within 10 seconds. Therefore, the display returns to the normal condition.

Troubleshooting

If the system does not work properly, please refer to this table for troubleshooting hints. If there is no improvement in the condition, even after troubleshooting, or symptoms other than those listed exist, please disconnect your unit from the mains and contact your ONKYO authorized service center.

Please make sure that the system has been connected up properly, otherwise it cannot operate properly.

This stereo system contains a sensitive microcomputer, which under certain circumstances might fail to operate due to excessive noise interference. In such an event, disconnect the main plug from your electrical outlet and replace it after 5 seconds.

Tuner related problems

Symptom	Cause	Action
When receiving FM stereo broadcasts, more static background noise is received compared to mono broadcasts.	<ul style="list-style-type: none"> FM stereo waves generate some noise due to the different modulation compared to mono waves. 	<ul style="list-style-type: none"> Try turning down the high sound using equalizer. (Refer to page 16)
<ul style="list-style-type: none"> Too much background noise is received. The FM stereo display flashes and is not lit up properly. Sound distortion or fluctuations in reception. Too much sound distortion in stereo broadcasts. The frequency is displayed but no sound can be heard. 	<ul style="list-style-type: none"> Location and/or the direction of the antenna is not satisfactory. The broadcasting signal is weak. Scrambled waves. Nearby air or road traffic may cause unwanted interference. There are too many tall buildings or mountains near by. 	<ul style="list-style-type: none"> Try changing the location, height and direction of the antenna. If you have an indoor antenna, please try erecting an external antenna. Change your antenna to one with more elements.
When receiving AM broadcast, noise interference can be heard.	<ul style="list-style-type: none"> There is a TV set near the stereo and it is switched on. 	<ul style="list-style-type: none"> Turn off the TV.
"00:00" of the time display is flashing.	<ul style="list-style-type: none"> It flashes if there has been a power interruption. 	<ul style="list-style-type: none"> Set the time again. (Refer to page 13 "Setting the clock")

Amplifier/Graphic equalizer and speaker related problems

Symptom	Cause	Action
The power is not turned on.	<ul style="list-style-type: none"> The power plug is not inserted properly. 	<ul style="list-style-type: none"> Connect the power plug to the household outlet.
Sound is not reproduced by both right and left speakers.	<ul style="list-style-type: none"> The speaker cables are not connected. The volume is turned down to the minimum. 	<ul style="list-style-type: none"> Check the connection between the amplifier and the speakers. Turn the volume up to an adequate level.
Sound from one of the speakers is low or nonexistent.	<ul style="list-style-type: none"> The speaker cables are not connected. 	<ul style="list-style-type: none"> Check the connection between the amplifier and speakers.

CD player related problems

Symptom	Cause	Action
Even if inserted some discs will not play.	<ul style="list-style-type: none"> The disc is placed upside down. The disc is dirty. Dew condensation has formed inside the player. 	<ul style="list-style-type: none"> Replace it with the label side facing upwards. Clean the disc. (Refer to page 18 "Handling CDs") Leave the CD player in a warm place for one hour.
The sound skips.	<ul style="list-style-type: none"> The disc is very dirty. The disc is flawed substantially. The set is exposed to vibration. 	<ul style="list-style-type: none"> Clean the disc. Replace the disc with a new one. Move the player to the place with no vibration.
The time of searching the start of the track is too long.	<ul style="list-style-type: none"> The disc is dirty or flawed. 	<ul style="list-style-type: none"> Clean the disc. Replace the disc with flaws with a new one.
"E" is displayed on display.	<ul style="list-style-type: none"> Some trouble occurs. 	<ul style="list-style-type: none"> Turn the power off and turn it on again.

Cassette deck related problems

Symptom	Cause	Action
The recording operation doesn't work.	<ul style="list-style-type: none"> The record protect tab(s) have been broken. 	<ul style="list-style-type: none"> Cover the hole with adhesive tape to substitute for the record protect tab(s). (Refer to page 24 "Handling cassette tapes.")
There is a blur in the sound and balance between the right and left channels is lost.	<ul style="list-style-type: none"> Dust has adhered to the head. The tape has been stretched. 	<ul style="list-style-type: none"> Remove dust adhered to the head. (Refer to page 24 "Cleaning") Replace the tape with a new one.
The tape produces grating noises.	<ul style="list-style-type: none"> The head is magnetized. Your tape could also be the source of the problem if it is old for example which creates unwanted noise. 	<ul style="list-style-type: none"> Erase the magnetism. (Refer to page 24 "Demagnetizing") Replace the tape with a new one.
Howling sounds can be heard or the sound skips.	<ul style="list-style-type: none"> The head, pinch roller and capstan shaft are dirty. The tape has been wound up tightly. 	<ul style="list-style-type: none"> Clean them. (Refer to page 24 "Cleaning") Rewind the tape fast.

While operating the system, it might interfere with the TV screen. Move the TV further away from the unit or turn the TV power off to fully enjoy top quality sound.

Main specifications

Amplifier/CD player CA-207/CA-201

Amplifier section

Power Output: 2 × 25 watts
(10% THD 1kHz 8 ohms)
Super Bass: 10 dB at 100 Hz
Signal-to-Noise Ratio: 75 dB (IHF-A)
Separation: 50 dB (IHF-A)

General

Power Supply:
U.S.A. and Canadian models: AC 120 V, 60 Hz
European models: AC 230 V, 50 Hz
Dimensions:
240(W) × 165(H) × 385(D) mm
(9-7/16" × 6-1/2" × 15-1/8") (CA-207)
240(W) × 165(H) × 270(D) mm
(9-7/16" × 6-1/2" × 10-5/8") (CA-201)

CD player section

Signal readout system: Optical non-contact
Reading rotation: About 500 - 200 r.p.m.
D/A converter: 16 bit
Sampling frequency: 352.8 kHz
(8 times oversampling)
Frequency response: 40 Hz - 20 kHz (+2/-3 dB)
Number of channels: 2 (stereo)

Tuner/Cassette deck KT-207/KT-201

Tuner section

FM Tuning Range: 87.5 - 108 MHz (50 kHz step)
(U.S.A. and Canadian models: 100 kHz step)
AM Tuning Range: 531 - 1602 kHz
(European models: 9 kHz step)
530 - 1710 kHz
(U.S.A. and Canadian models: 10 kHz step)

General

Dimensions:
240(W) × 165(H) × 285.5(D) mm (KT-201)
(9-7/16" × 6-1/2" × 11-1/4")
240(W) × 165(H) × 400.5(D) mm (KT-207)
(9-7/16" × 6-1/2" × 15-3/4")

Cassette deck section

Track System: 4-tracks, 2-channels
Erasing System: AC erase
Tape Speed: 4.8 cm/sec. (1-7/8 i.p.s.)
9.6 cm/sec. (3-3/4 i.p.s.) (high speed dubbing)
Wow and Flutter: 0.2 % (WRMS)

Speaker system PS-207

Type: 3-Way, Bass reflex
Speakers:
Woofer: 13 cm Cone type
Squawker: 5 cm Cone type
Super tweeter: 2 cm diameter
Impedance: 8 ohms

Remote control RC-281S

Transmitter: Infrared
Signal range: Approx. 4.5 meters (15 ft.)
Control Angle: ± 30 degree
Power supply: two "AA" batteries (1.5V × 2)

Design and specifications are subject to change without notice.